



# CAG 8

October 25, 2004



RADM Dick Brooks, USN  
Commander, Naval Safety Center



# Magnitude of Accidents

## *In FY04, Navy and Marine Corps Mishaps Resulted In:*

### NAVY

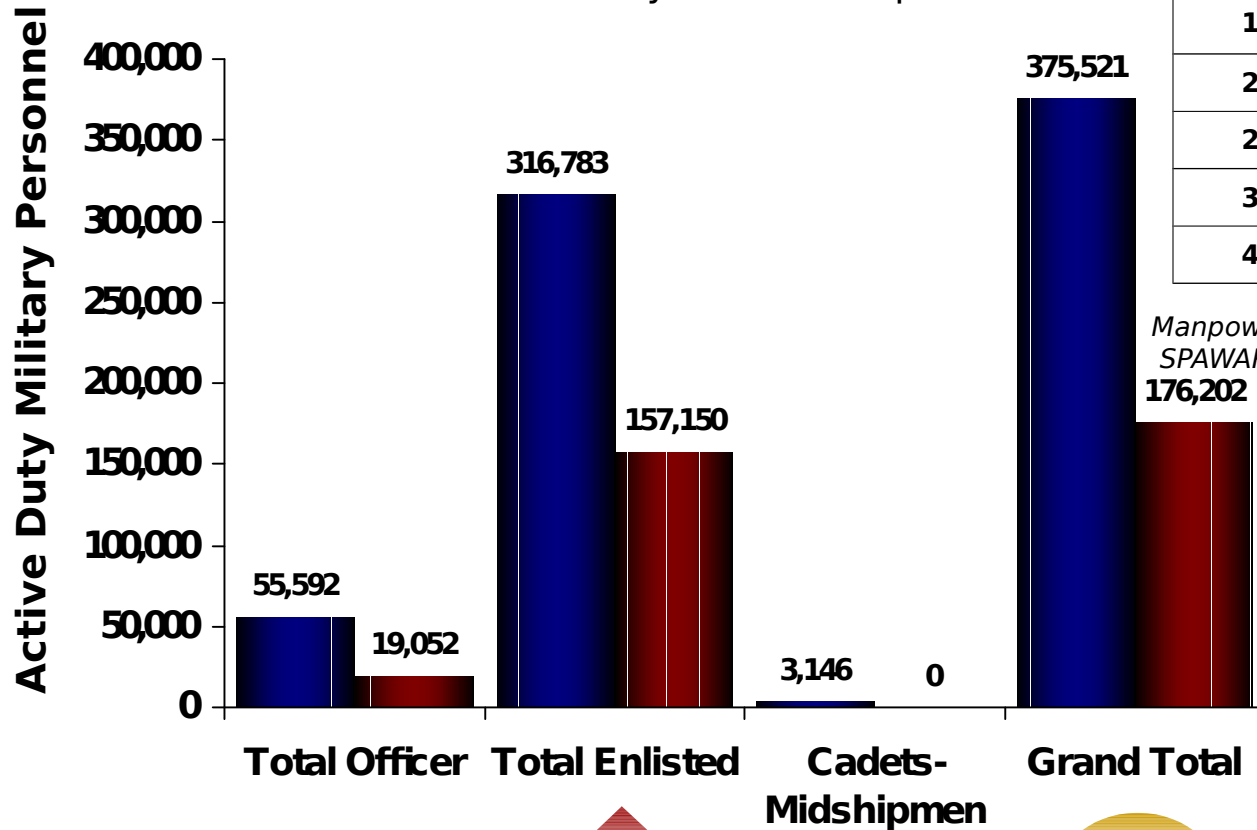
- **1 Navy death every 78 hours (3 days)**
- **1 POV death every 120 hours (5 days)**
- **1 Aviation death every 73 days**
- **1 Active duty military injury every 6 hours**
- **1.8 Military members hospitalized every day**
- **11.33 Civilian man-years lost**
- **1 Aircraft destroyed every 41 days**
- **\$1.33 Million a day in aviation losses**

### MARINE CORPS

- **1 Marine death every 88 hours (4 days)**
- **1 POV death every 191 hours (8 days)**
- **1 Aviation death every 26 days**
- **1 Active duty military injury every 25 hours**
- **1.9 Military members hospitalized every day**
- **2.53 Civilian man-years lost**
- **1 Aircraft destroyed every 19 days**
- **\$1.74 Million a day in aviation losses**



# USN/USMC Active Duty Personnel



Age Group	USN	USMC
18-21	17.66 %	38.7 %
22-27	34.20 %	34.5 %
28-35	25.03 %	16.5 %
36-45	19.94 %	8.9 %
46-55	3.17 %	1.1 %

Manpower and Reserve Affairs, 24 September 2004  
SPAWARITC (Reports Division), 24 September 2004

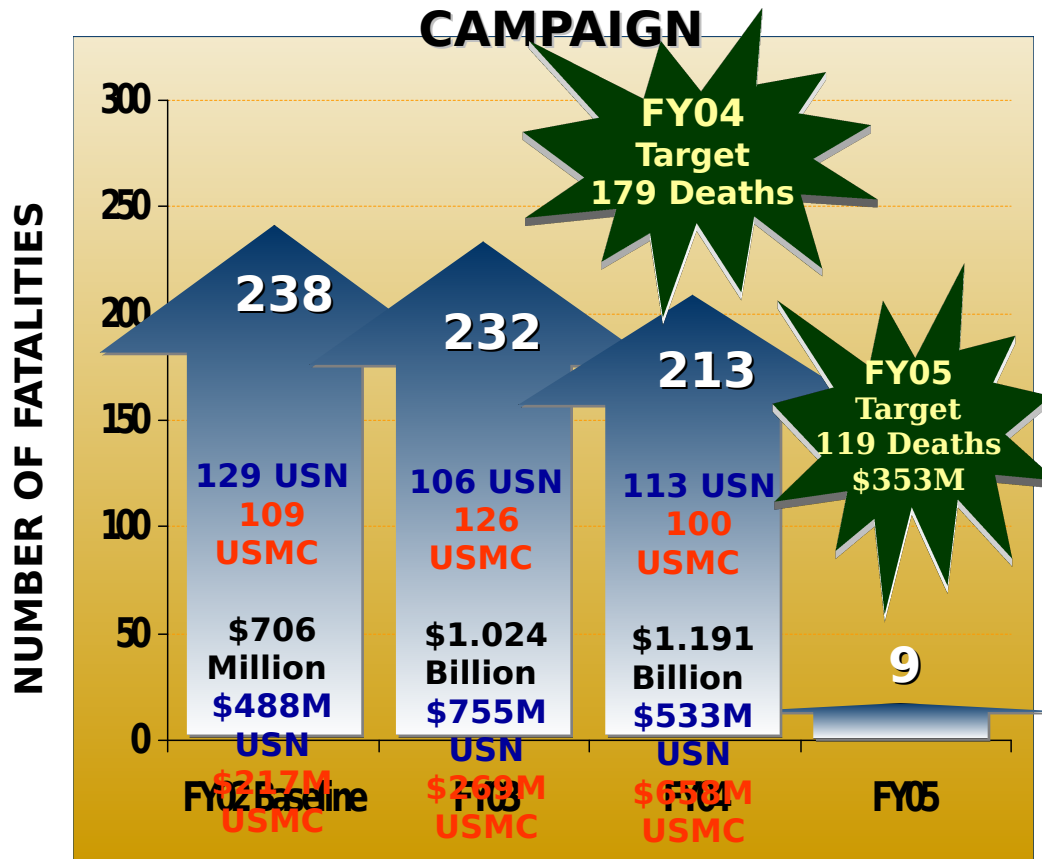


Directorate for Information Operations and Reports/30 June 2004



# Where We Are

## FATALITIES & RESOURCES LOST DURING 50% MISHAP REDUCTION CAMPAIGN



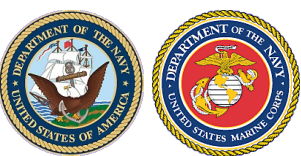
We have experienced 9 deaths in FY05

(7 USN & 2 USMC)

Our FY05 50% mishap reduction

Naval Aviation mishap costs have exceeded \$1Billion!

**OUR ENDSTATE GOAL IS  
ZERO!**



# Status Check (PMV Fatalities)

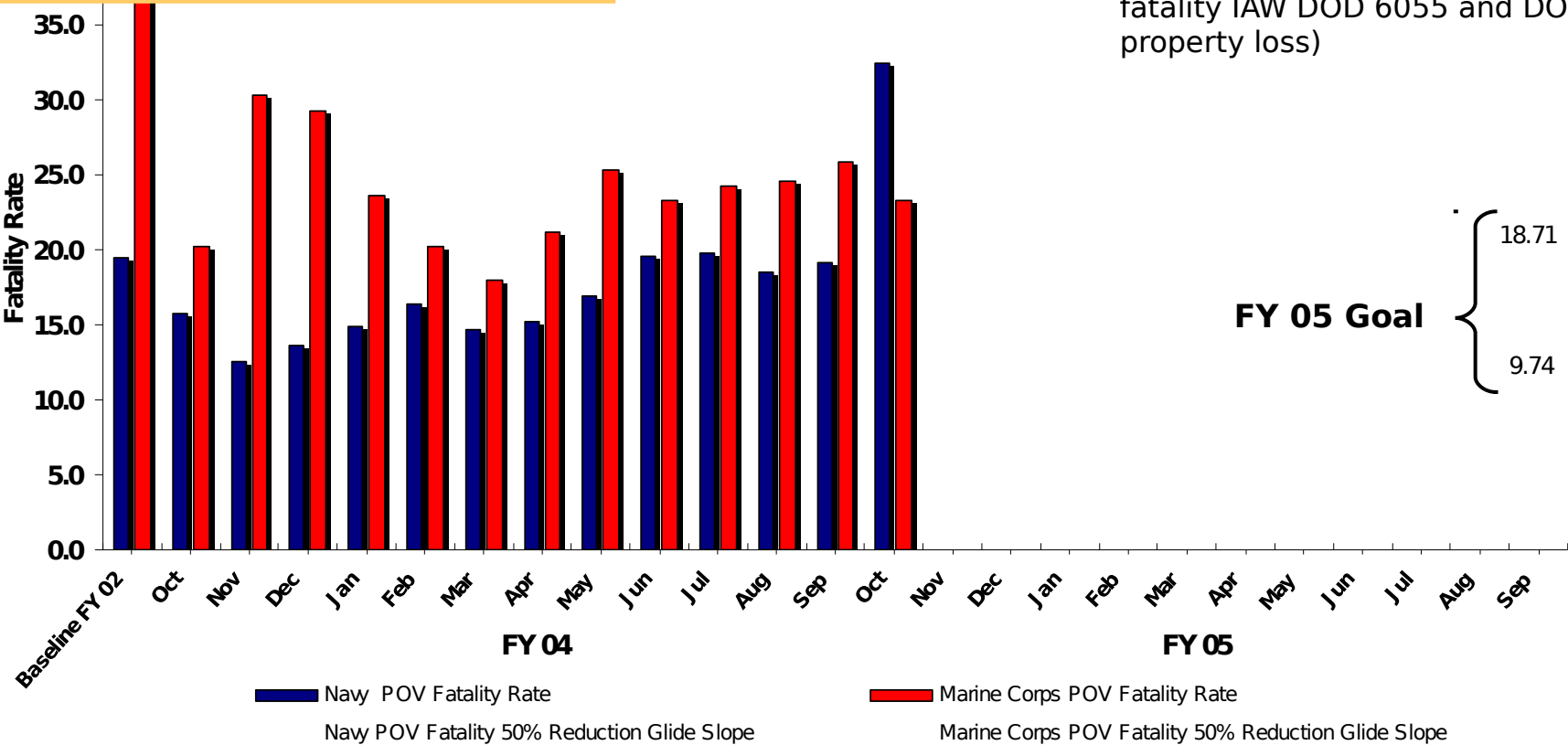
NSC Data: 18 October 2004

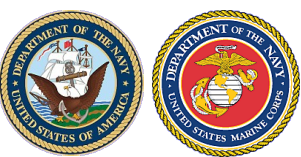
## Top Causal Factors

<u>WHEN</u>	<u>WHY</u>
Nighttime Driving	No Seat Belt
Use	
Weekends	Excessive
Speed	Alcohol
	Fatigue

FY04 Losses	
USN	USMC
73 Fatalities	46 Fatalities
\$13 Million	\$11.6 Million

(\$\$\$ totals represent cost of all reported mishaps and includes cost of fatality IAW DOD 6055 and DOD property loss)





# Status Check (Recreation/Off-Duty Fatalities)

## 1 year remains...

NSC Data: 18 October 2004

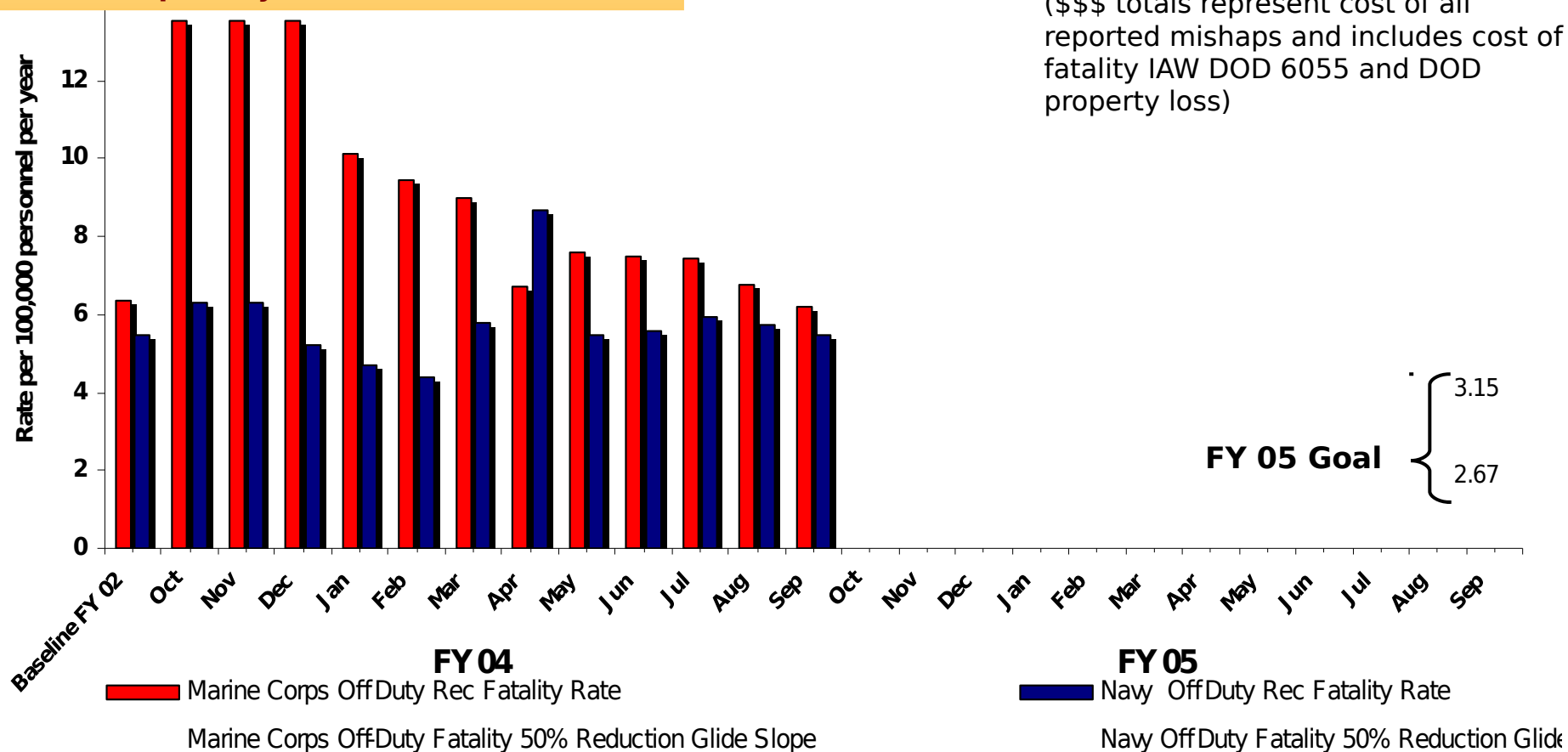
### Leading Causes of Deaths & Injuries

- Drowning
- Falls
- Outdoor Recreation
- Team and Outdoor Sports
- Water Sports (jet skis, motorboat)

### FY04 Losses

USN	USMC
21 Fatalities	11 Fatalities
\$6.6 Million	\$2.9 Million

(\$\$\$ totals represent cost of all reported mishaps and includes cost of fatality IAW DOD 6055 and DOD property loss)





# Status Check (Class-A Flight Mishaps)

NSC Data: 18 October 2004

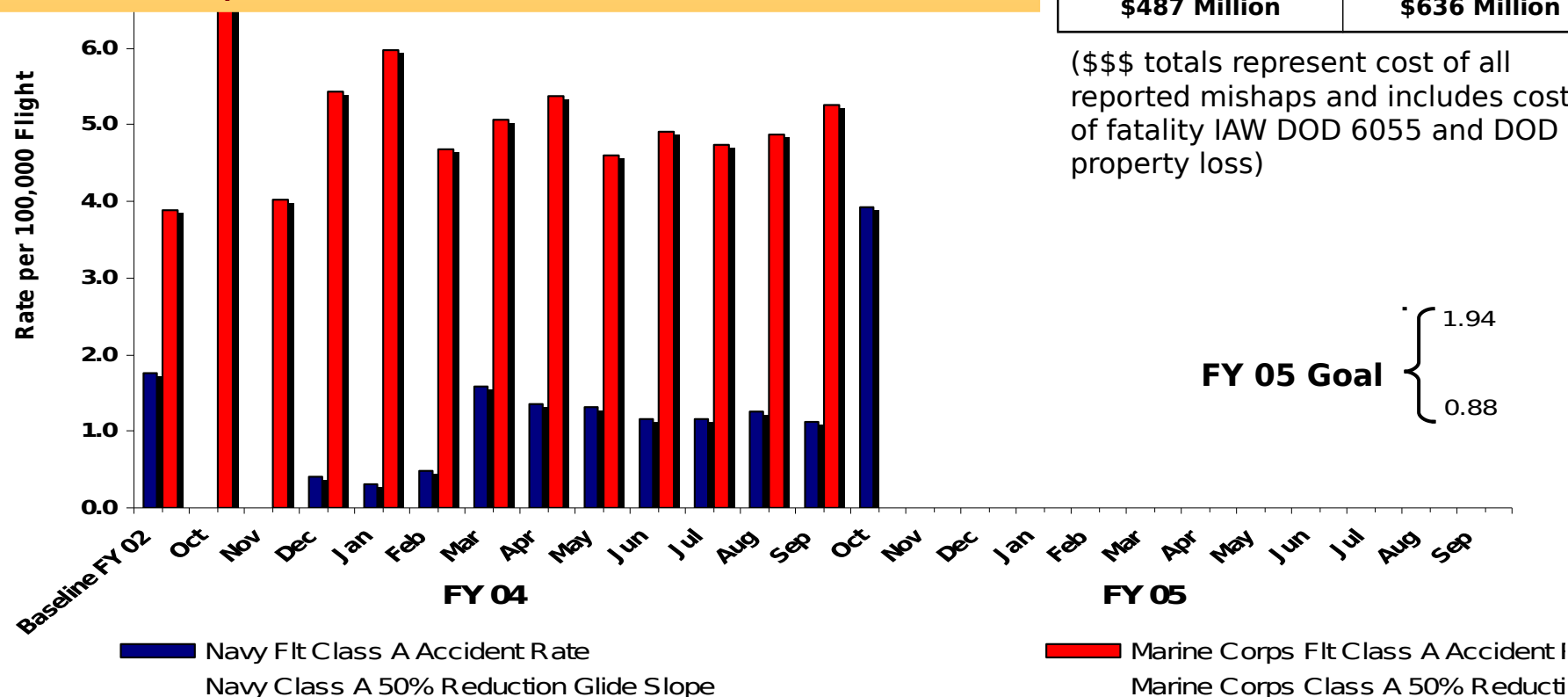
## Leading Causal Factors

- **Human Error (89%)**
  - Aircrew (breakdown in Crew Resource Management, poor decision making, failure to properly perform emergency procedures)
  - Supervisory (failure to provide adequate guidance and training)
- **Material/Systems Malfunction (11%)**
  - Material/component catastrophic failure (no human error involved)

## FY04 Losses

USN	USMC
12 Mishaps	18 Mishaps
5 Fatalities	14 Fatalities
7 Aircraft Destroyed	16 Aircraft Destroyed
\$487 Million	\$636 Million

(\$\$\$ totals represent cost of all reported mishaps and includes cost of fatality IAW DOD 6055 and DOD property loss)





# Status Check (Afloat Class-A Mishaps)

1 year remains...

NSC Data: 18 October 2004

## Top 5 Causal Factors

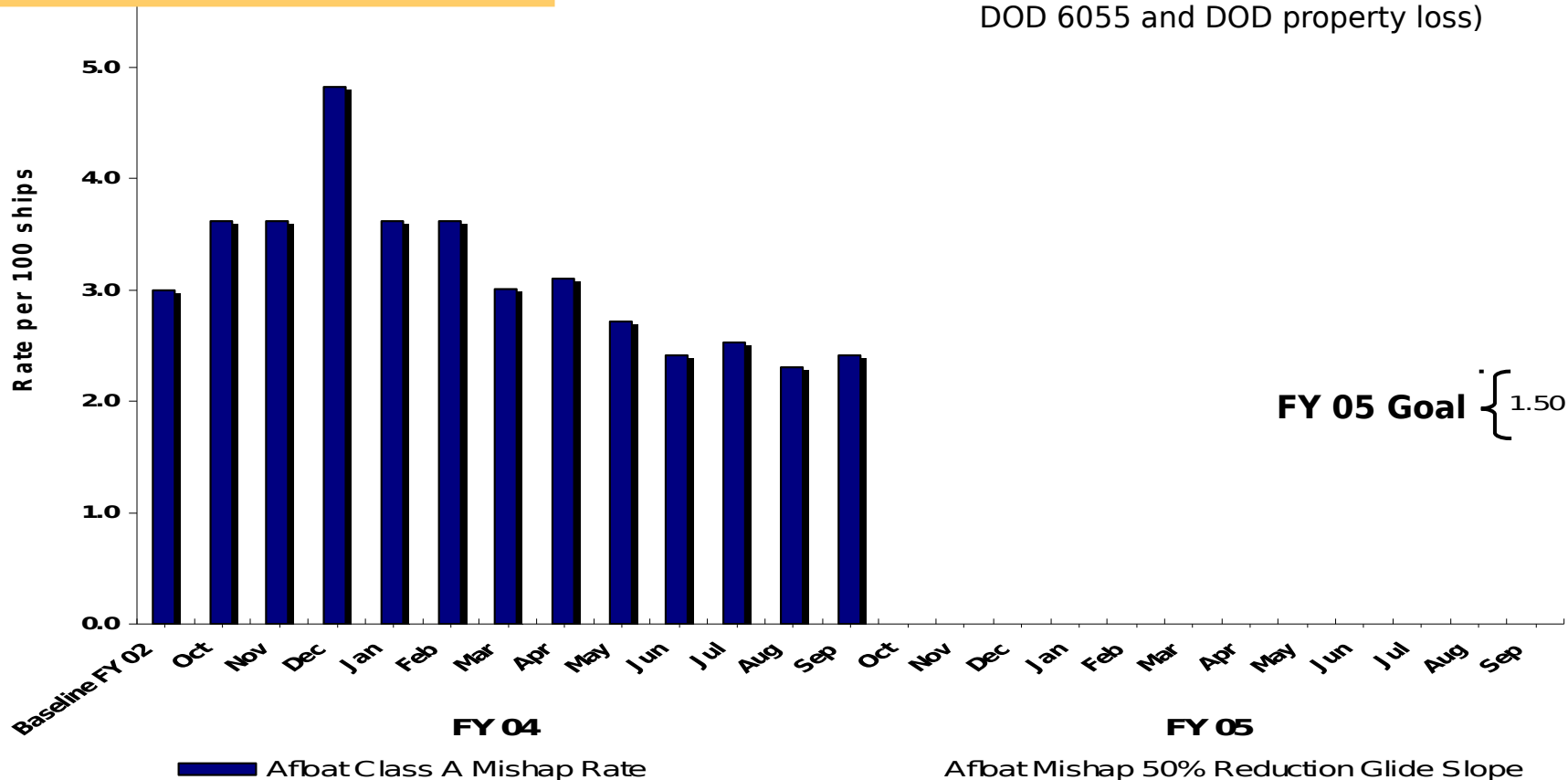
- Inadequate Supervision
- PMS not accomplished
- Poor Crew Resource Management
- Lack of Situational Awareness
- Complacency

## USN FY04 Losses

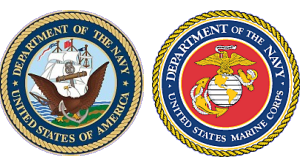
8 Mishaps

\$22.18 Million

(\$\$\$ totals represent cost of all reported mishaps and includes cost of fatality IAW DOD 6055 and DOD property loss)







# Status Check (Operational Shore/Ground Fatalities- incl MV)

NSC Data: 18 October 2004

## Leading Causes of Deaths

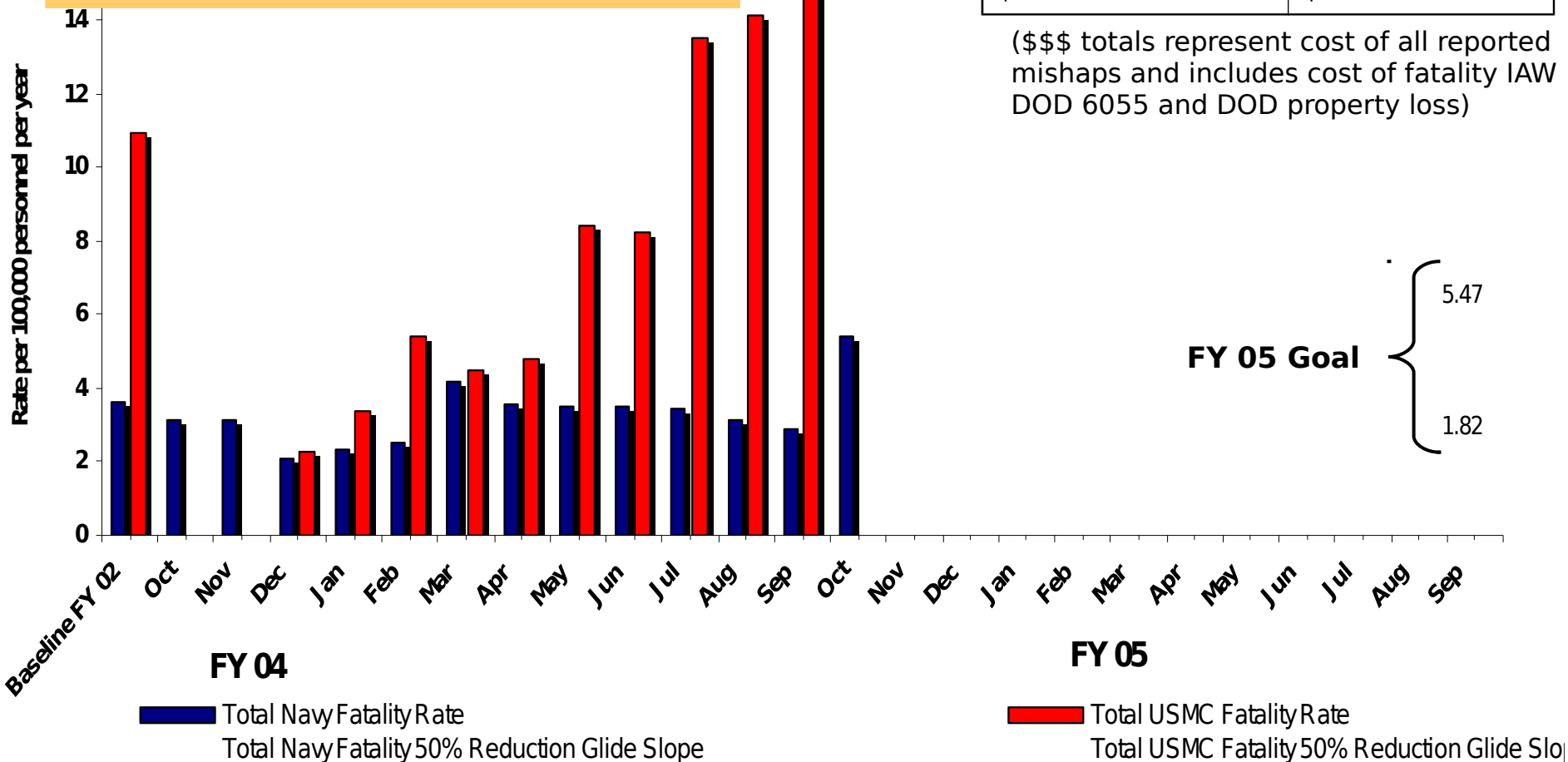
- Tactical Vehicles
- GMV Mishaps
- Industrial Mishaps (electrocutions, burns, falls)
- PRT

1 year remains...

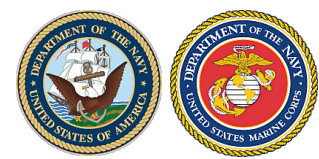
## FY04 Losses

USN	USMC
11 Fatalities	28 Fatalities
\$1.87 Million	\$1.45 Million

(\$\$\$ totals represent cost of all reported mishaps and includes cost of fatality IAW DOD 6055 and DOD property loss)

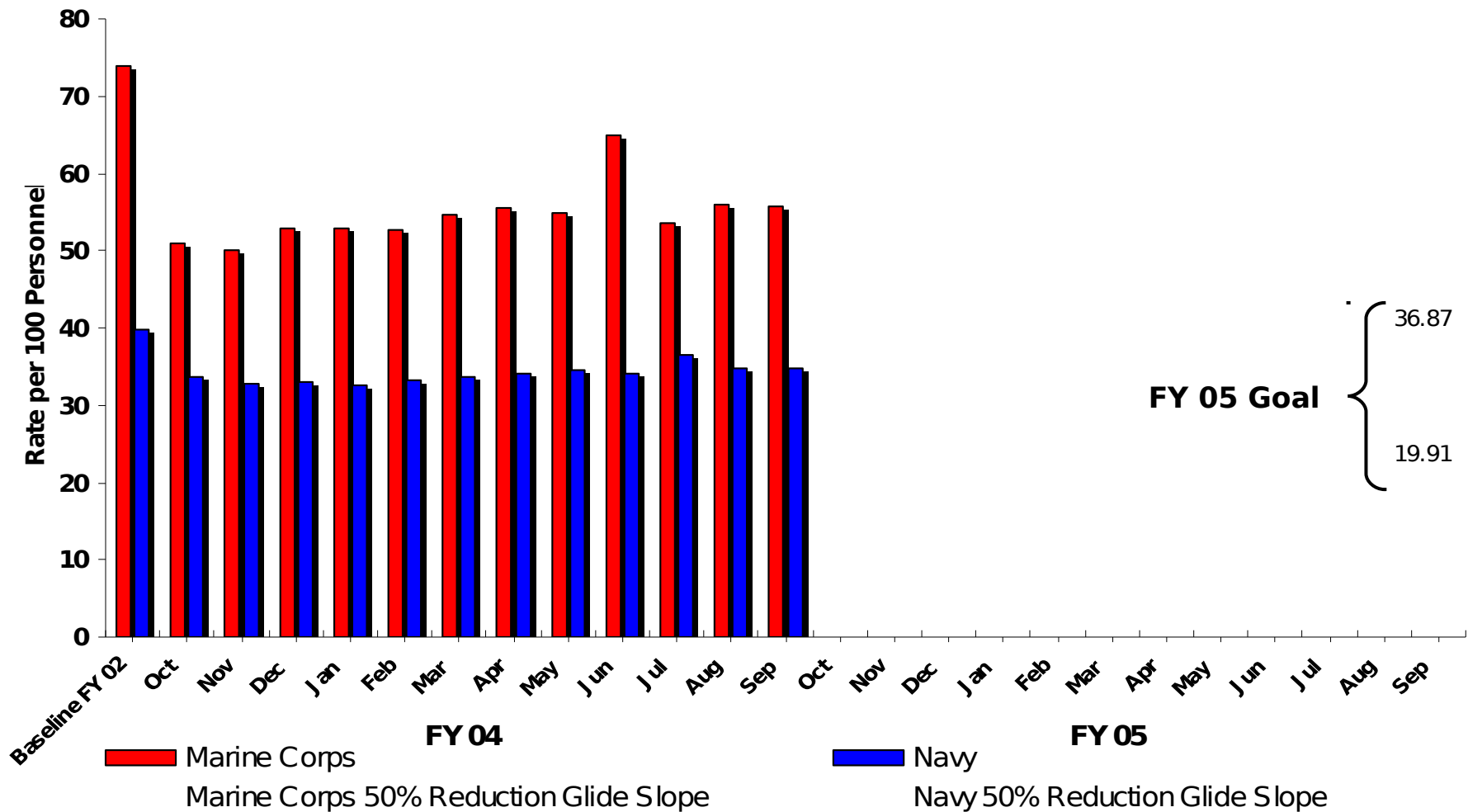


Note: Does not include casualties due to enemy action



# Status Check (Civilian Lost Day Rates) 1 year remains...

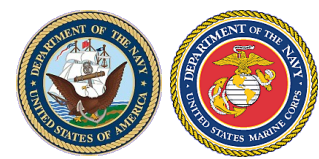
NSC Data: 18 October 2004





# Aviation Mishap Comparison (FY00-Present)

Squadron	CLASS A	CLASS B	CLASS C	HAZREPS
VF-213	1	2	4	5
VFA-15	2	0	1	12
VFA-87	1	0	3	18
VS-24	1	1	2	9
VAW-124	1	0	2	11
VAQ-141	1	1	0	13
HS-3	0	1	0	1
VFA-41	1	0	2	4



# Off-Duty Mishap Comparison (FY00- Present)

Squadron	PMV CLASS D	RECREATION CLASS C	RECREATION CLASS D	INJTRAK WESS 1 INJURIES
VF-213	1	2	1	70
VFA-15	0	0	0	7
VFA-87	0	0	0	9
VS-24	0	1	7	74
VAW-124	0	1	0	1
VAQ-141	0	1	1	14
HS-3	0	4	0	35
VFA-41	0	1	0	1



# Areas of Greatest Concern for USN/USMC

## *The Largest Challenge: Aviation - Traffic - Recreation!*



FISCAL YEAR	COST	
	OVERALL	AVIATION
FY99-03	\$ 3.8B	\$ 3.2B
FY02	\$683M	\$587M
FY03	\$1.024M	\$956M
FY04	\$1.192B	\$1.123B

DEATHS									
OVERALL	PMV					RECREATION			
	Air	Afloat	Shore	%		Air	Afloat	Shore	%
1,045	585	96	128	361	56%	141 13%	31	30	80
238	140	30	32	78	59%	32 13%	9	5	18
232	119	17	31	71	51%	32 14%	9	6	17
213	119	16	20	83	56%	32 15%	4	9	19

(\$\$\$ totals represent cost of all reported mishaps and includes cost of fatality IAW DOD 6055 and DOD property loss)



# Secretary Rumsfeld's Challenge



THE SECRETARY OF DEFENSE  
1000 DEFENSE PENTAGON  
WASHINGTON, DC 20301-1000

May 19, 2003

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS  
CHAIRMAN OF THE JOINT CHIEFS OF STAFF  
UNDER SECRETARIES OF DEFENSE  
DIRECTOR, DEFENSE RESEARCH AND ENGINEERING  
ASSISTANT SECRETARIES OF DEFENSE  
GENERAL COUNSEL OF THE DEPARTMENT OF DEFENSE  
INSPECTOR GENERAL OF THE DEPARTMENT OF DEFENSE  
DIRECTOR, OPERATIONAL TEST AND EVALUATION  
ASSISTANTS TO THE SECRETARY OF DEFENSE  
DIRECTOR, ADMINISTRATION AND MANAGEMENT  
DIRECTOR, FORCE TRANSFORMATION  
DIRECTOR, NET ASSESSMENT  
DIRECTOR, PROGRAM ANALYSIS AND EVALUATION  
DIRECTORS OF THE DEFENSE AGENCIES  
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Reducing Preventable Accidents

World-class organizations do not tolerate preventable accidents. Our accident rates have increased recently, and we need to turn this situation around. I challenge all of you to reduce the number of mishaps and accident rates by at least 50% in the next two years. ~~These goals are achievable, and will directly increase our operational readiness. We owe no less to the men and women who defend our Nation.~~

I have asked the Under Secretary of Defense for Personnel and Readiness to lead a department-wide effort to focus our accident reduction effort. I intend to be updated on our progress routinely. The USD(P&R) will provide detailed instructions in separate correspondence.



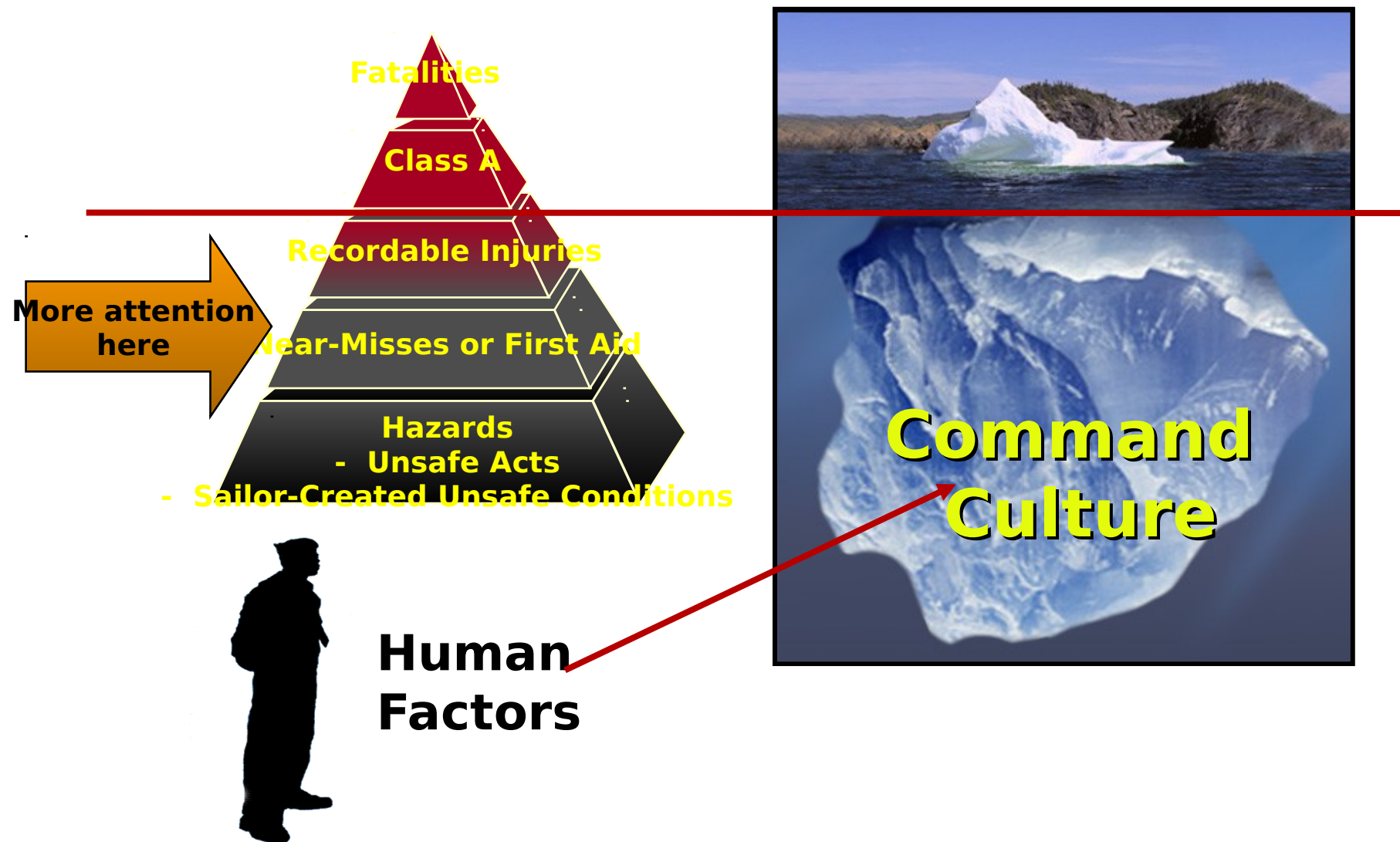
U06916-03

***“World-class organizations do not tolerate preventable accidents. Our accident rates have increased recently, and we need to turn this situation around. I challenge all of you to reduce the number of mishaps and accident rates by at least 50% in the next two years.”***

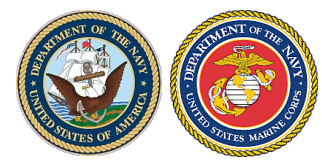
Memorandum from Secretary of Defense  
19 May 2003



# A Safety Culture







# How To Get There – What is

LEADERSHIP **“Actionable”** → sets the climate

1. Ensure you have a consistent “Safety Structure”
2. Mentor – On and Off duty
  - 2<sup>nd</sup> MAW Mentoring Program / Revise leave chits to a “contract”
    - What are your Sailors/Marines doing after hours?
    - The “leadership hungry” PO3
  - Look for the signs “Below the Waterline!”
3. ORM                  RM
  - Take it off **→** duty
4. Awareness – Can we improve if Sailors don’t know about Mishap Reduction Campaign???
5. Accountability – A Command with no PMV program?
6. Reporting – Hazreps? Class B, C, ....

***A Class “A” is a Class “A” is a Class “A” .....***

***- Does a Parent “care” how their Son or Daughter died?***





# Are We Serious About Safety?

## THE BUILDING BLOCKS OF SAFETY



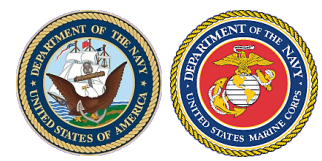
## DESIRED END STATE

***Every Sailor possesses an ever-present and intuitive safety awareness that he or she carries at all times - at sea, on deployment, at work, at home, on liberty, and leave.***



# Is It Possible?

- **“Platform” Type Mishaps - YES!**
- **“Off-Duty” Mishaps - HARD.**
  - ***Can be done - but CHANGE a MUST!***
- ***Human Error - The “KEYS” of the realm***



# QUESTIONS

# ?